

SUPPORTING INFORMATION

Microwave-Assisted Synthesis of High-Voltage Nanostructured $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ spinel: Tuning the Mn^{3+} Content and Electrochemical Performance

Charl J. Jafta^{a,b}, Mkhulu K. Mathe^a, Ncholu I. Manyala^b, Wiets D. Roos^c, Kenneth I. Ozoemena^{*a,d}

^a *Energy Materials, Materials Science and Manufacturing, Council for Scientific & Industrial Research (CSIR), Pretoria 0001, South Africa*

^b *Department of Physics, University of Pretoria, Pretoria 0002, South Africa.*

^c *Department of Physics, University of the Free State, Bloemfontein, Bloemfontein 9300, South Africa.*

^d *Department of Chemistry, University of Pretoria, Pretoria 0002, South Africa.*

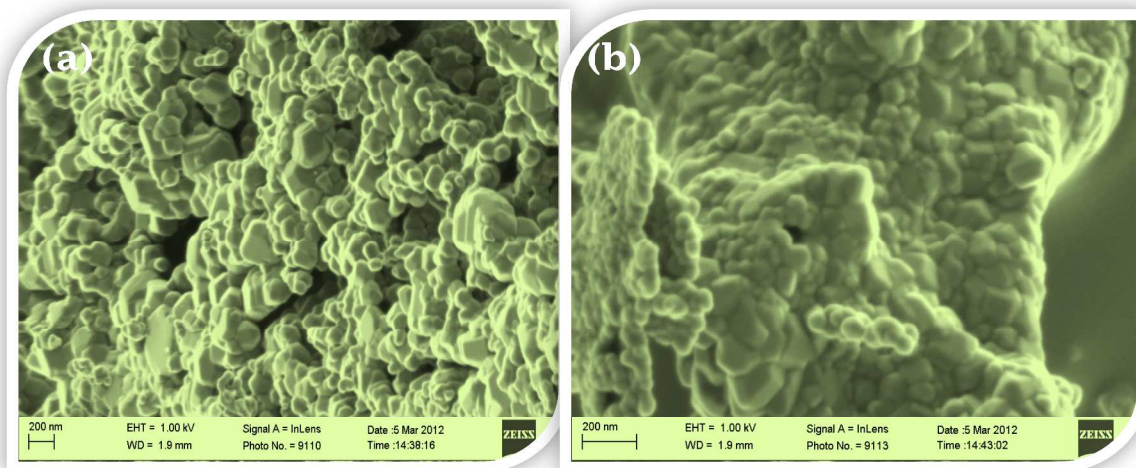


Figure SI 1: Typical FE-SEM images of (a) LMN-700 and (b) LMN-700-mic. Scale bar = 200 nm.

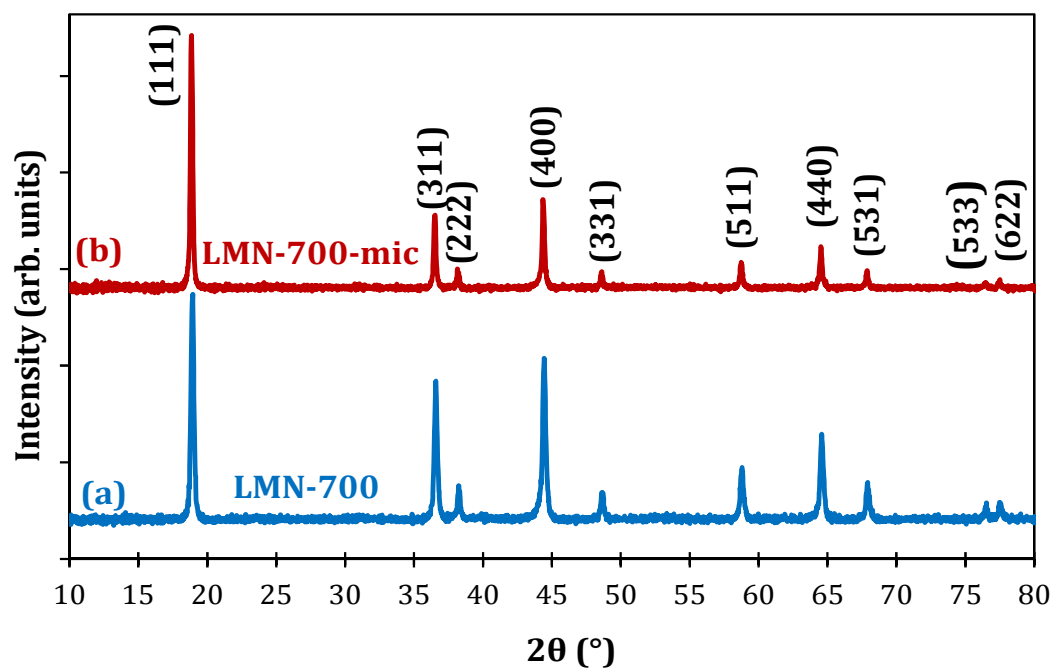


Figure SI 2: Typical powder X-ray diffraction patterns of (a) LMN-700 and (b) LMN-700-mic.